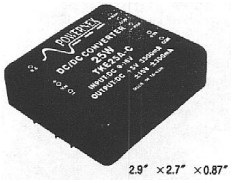
Jameco Part number 155723
POWERNEX

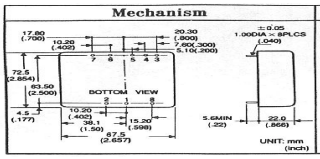
25W DC-DC Single, Dual and Triple Output



Features

- 2:1 input range
- Short circuit protection
- Over current protection
- Epoxy encapsulated
- 100% full load burn-in test
- Attractive price
- 1 year warranty
- ISO-9002 certified manufacturer

Mechanism



Pin configuration

Pin no.	Output		
	Single	Dual	Triple
1	+ Vin	+ Vin	+ Vin
2	– Vin	– Vin	– Vin
3	+ SENSE	– Vout	+ Vout
4	TRIM	COM	COM
5	– SENSE	N.C.	– Vout
6	+ Vout	+ Vout	+ 5V
7	– Vout	COM	COM
8	R.C	R.C	R.C

Specifications

Voltage accuracy ..... ±2%
Line regulation ..... ±0.5%
Load regulation ..... single ±1% dual,
triple ±2% (20%~full load)
Efficiency ..... 78% @ full load, nominal I/P
I/O isolation voltage ..... 500VDC MIN.
I/O isolation resistance ..... 100MΩ MIN.
Operating temperature ..... -15°C to +60°C (no derating)
Storage temperature ..... -25°C to +85°C
EMI/RFI ..... six-sided shield metal case

Single output

Stock No	Type No	Input (VDC)	Output (VDC)	Current (mA)	Ripple p-p(mV)	P.P.
30161	SKE25A-05	9-18	5	5000	50	70
30162	SKE25A-12	9-18	12	2100	60	70
30163	SKE25A-15	9-18	15	1700	60	70
30164	SKE25B-05	18-36	5	5000	50	70
30165	SKE25B-12	18-36	12	2100	60	70
30166	SKE25B-15	18-36	15	1700	60	70
30167	SKE25C-05	36-72	5	5000	50	70
30168	SKE25C-12	36-72	12	2100	60	70
30169	SKE25C-15	36-72	15	1700	60	70

Dual output

Stock No	Type No	Input (VDC)	Output (VDC)	Current (mA)	Ripple p-p(mV)	P.P.
30181	DKE25A-05	9-18	± 5	±2500	50	78
30182	DKE25A-12	9-18	±12	±1050	60	78
30183	DKE25A-15	9-18	±15	± 850	60	78
30184	DKE25B-05	18-36	± 5	±2500	50	78
30185	DKE25B-12	18-36	±12	±1050	60	78
30186	DKE25B-15	18-36	±15	± 850	60	78
30187	DKE25C-05	36-72	± 5	±2500	50	78
30188	DKE25C-12	36-72	±12	±1050	60	78
30189	DKE25C-15	36-72	±15	± 850	60	78

Triple output

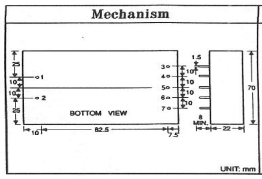
Stock No	Type No	Input (VDC)	Output (VDC)	Current (mA)	Ripple p-p(mV)	P.P.
⑤ 30201	TKE25A-B	9-18	+5/ ±12	4000/ ±250	60/ 80	98
⑤ 30202	TKE25A-C	9-18	+5/ ±15	3500/ ±300	60/ 80	98
⑤ 30203	TKE25B-B	18-36	+5/ ±12	4000/ ±250	60/ 80	98
⑤ 30204	TKE25B-C	18-36	+5/ ±15	3500/ ±300	60/ 80	98
⑤ 30205	TKE25C-B	36-72	+5/ ±12	4000/ ±250	60/ 80	98

42W DC-DC Single, Dual and Triple Output

Features

- 2.1 input range
- Short circuit protection
- Over current protection
- Epoxy encapsulated
- 100% full load burn-in test
- 2 years warranty
- ISO-9001 certified manufacturer

Mechanism



Pin configuration

Pin no.	Output		
	Single	Dual	Triple
1	+ Vin	+ Vin	+ Vin
2	– Vin	– Vin	– Vin
3	+ Vout	+ Vout	+ 5V
4	+ Vout	+ Vout	COM
5	– Vout	COM	+ Vout
6	– Vout	COM	COM
7	N.C.	– Vout	– Vout

⑤ 30206	TKE25C-C	36-72	+5/ ±15	3500/ ±300	60/ 80	98

Jameco Part number 155723

Specifications

Voltage accuracy .....±3%
Line regulation.....±1%
Load regulation .....single ±2%
dual, triple ±3% (20%~full load)
Efficiency.....78%@ full load, nominal I/P
I/O isolation voltage .....1500VDC MIN.
I/O isolation resistance..... 100M Ω MIN.
Operating temperature.....- 15°C to + 60°C (no derating)
Storage temperature.....- 25°C to + 85°C
EMI/RFI.....six-sided shield metal case

Single output

Stock No	Type No	Input (VDC)	Output (VDC)	Current (mA)	Ripple p-p(mV)	P.P.
	SCF40A-05	9-18	5	8000	80	88
	SCF40A-24	9-18	24	2000	100	88
	SCF40B-05	18-36	5	8000	80	88
	SCF40B-12	18-36	12	3500	100	88
⑤ 30221	SCF40C-05	36-72	5	8000	80	88
⑤ 30222	SCF40C-12	36-72	12	3500	100	88
⑤ 30223	SCF40C-15	36-72	15	3000	100	88
⑤ 30224	SCF40C-24	36-72	24	2000	100	88

Dual output

Stock No	Type No	Input (VDC)	Output (VDC)	Current (mA)	Ripple p-p(mV)	P.P.
	DCF40A-05	9-18	± 5	7000/500	80	98
	DCF40A-12	9-18	±12	3000/500	100	98
	DCF40B-05	18-36	± 5	8000/500	80	98
	DCF40B-12	18-36	±12	3000/500	100	98
⑤ 30241	DCF40C-05	36-72	± 5	8000/500	80	98
⑤ 30242	DCF40C-12	36-72	±12	3000/500	100	98
⑤ 30243	DCF40C-15	36-72	±15	2000/500	100	98

Triple output

Stock No	Type No	Input (VDC)	Output (VDC)	Current (mA)	Ripple p-p(mV)	P.P.
	TCF40A-B	9-18	+5/ ±12	6000/ ±500	60/ 100	108
	TCF40A-C	9-18	+5/ ±15	6000/ ±500	60/ 100	108
	TCF40B-B	18-36	+5/ ±12	6000/ ±500	60/ 100	108
	TCF40B-C	18-36	+5/ ±15	6000/ ±500	60/ 100	108
	TCF40C-B	36-72	+5/ ±12	6000/ ±500	60/ 100	108
	TCF40C-C	36-72	+5/ ±15	6000/ ±500	60/ 100	108